eBOX710-521-FL

Fanless Embedded System with LGA1151 9th/8th Gen Intel® Xeon®/Core™ i7/i5/i3 & Celeron® Processor, Intel® C246, ECC Memory and 1 PCIe x4 Expansion Slot

Features

- 9th/8th gen Intel® Xeon, Core™ i7/i5/i3 or Celeron® processor
- 2 DDR4 ECC memory supported, up to 64GB
- Dual swappable 2.5” SATA HDD drive bays with RAID 0 & 1
- DVI-I, HDMI, and DisplayPort with triple-view supported
- 6 GbE LAN, 6 USB 3.2 and 1 PCIe x4 expansion slot
- Flexible I/O window supported

Specifications

- Standard Color: Silver
- Construction: Aluminum extrusion and heavy-duty steel, IP40
- CPU: LGA1151 9th/8th gen Intel® Xeon, Core™ i7/i5/i3 or Celeron® processors (35W)
- System Memory: 2 x 260-pin DDR4-2666 ECC/non-ECC SO-DIMM, up to 64GB
- Chipset: Intel® C246 PCH
- BIOS: AMI
- System I/O Outlet:
  - 2 x RS-232/422/485
  - 1 x HDMI, 1 x DisplayPort, 1 x DVI-I
  - 6 x 10/100/1000 Mbps Ethernet (5 x 210-IT & 1219-LIM)
  - 4 x USB 3.2 Gen2, 2 x USB 3.2 Gen1
  - 1 x Phoenix type VDC power input connector
  - 1 x ATX quick switch
  - 1 x ATX power switch
  - 1 x Reset switch
  - 1 x Remote switch
  - 1 x Flexible I/O window (Default: 2 x DB9 half-cut bracket)
  - 4 x SMA-type antenna connector
- Watchdog Timer: 255 levels, 1 to 255 sec.
- Storage:
  - 2 x 2.5” HDD drive bay (max. up to 9.5 mm height)
  - 1 x mSATA (enabled in BIOS setting)
- Expansion Interface:
  - 2 x Full-size PCI Express Mini Card slot (USB + PCIe signal)
  - 2 x SIM slot
  - 1 x PCIe x4 slot
- TPM: TPM 2.0
- System Indicator:
  - 1 x Green LED for system power-on
  - 1 x Green LED for HDD active
  - 4 x Green LED for programmable
- Power Input: 24 VDC
- Operating Temperature: -40°C to 70°C (-40°F to 158°F) (with W.T. DRAM & SSD, CPU TDP 35W)
- Humidity: 10% - 90%, non-condensing
- Shock Vibration: IEC 60068-2-27 (w/ SSD: 50G@wall mount, half-sine, 11 ms duration)
- Vibration Endurance:
  - IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
- Dimensions:
  - 280 mm (11.02”) (W) x 210 mm (8.26”) (D) x 80.5 mm (3.16”) (H)
- Weight (net/gross): 4.8 kg (10.58 lb)/5.6 kg (12.34 lb)
- Certifications: CE, FCC Class A
- EOS Support: Windows 10 IoT, Linux
- Software Support: AMS.AXView

* Specifications and certifications may vary based on different requirements.

Power Protection

DC Version

- OVP (over voltage protection)
- UVP (under voltage protection)
- OCP (over current protection)
- SCP (short circuit protection)
- Reserve protection

Ordering Information

Standard

eBOX710-521-FL-DC-6GbE: Fanless embedded system with LGA1151 9th/8th gen Intel® Xeon®, Core™ i7/i5/i3 & Celeron® processor, Intel® C246, ECC memory 1 PCIe x4 expansion slot and 24 VDC

Optional

- 2.5” SATA HDD
- 2.5” SATA SSD
- DDR4 SO-DIMM
- mSATA
- 8816K6718A0E 80GB or above
- 8816K6719A0E 100GB or above
- 8816K6603A0E 100GB or above
- 50906392140E 4GB to 32GB
- E392903102 64GB or above
- E392903103 64GB or above
- E392905103 64GB or above
- E392904102 80GB or above
- E392904103 100GB or above
- Wall mount kit
- DIN-rail kit
- Wi-Fi module
- 3G/4G/LTE module
- 24V, 120W adapter
- AX92903 CANBus PCI Express Mini module
- AX92903 CAN module with CANOpen
- AX92902 LAN PCI Express Mini module
- AX92904 DIO PCI Express Mini module
- AX92904 DIO PCI Express Mini module

Dimensions

- 280 x 210 x 80.5 mm

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- 280 x 210 x 80.5 mm

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